

The diagram illustrates a manufacturer's supply chain network. On the left, a large rectangle represents the manufacturer, labeled "Manufacturer 10". This rectangle is divided into a grid of smaller boxes, with a larger section at the bottom. To the right of the manufacturer, there are five separate boxes, each representing a different supplier. Arrows indicate the flow of goods and information between the manufacturer and these suppliers. The suppliers are:

- Supplier supplying electrical parts 12
- Supplier supplying mechanical parts 14
- Supplier conducting safety testing 16
- Supplier conducting reliability testing 18
- Supplier supplying documentation 19

Arrows show that the manufacturer receives inputs from all five suppliers. Specifically, arrows point from each supplier box to the manufacturer's main grid, and from the manufacturer's bottom section to the documentation supplier box.

Figure 1

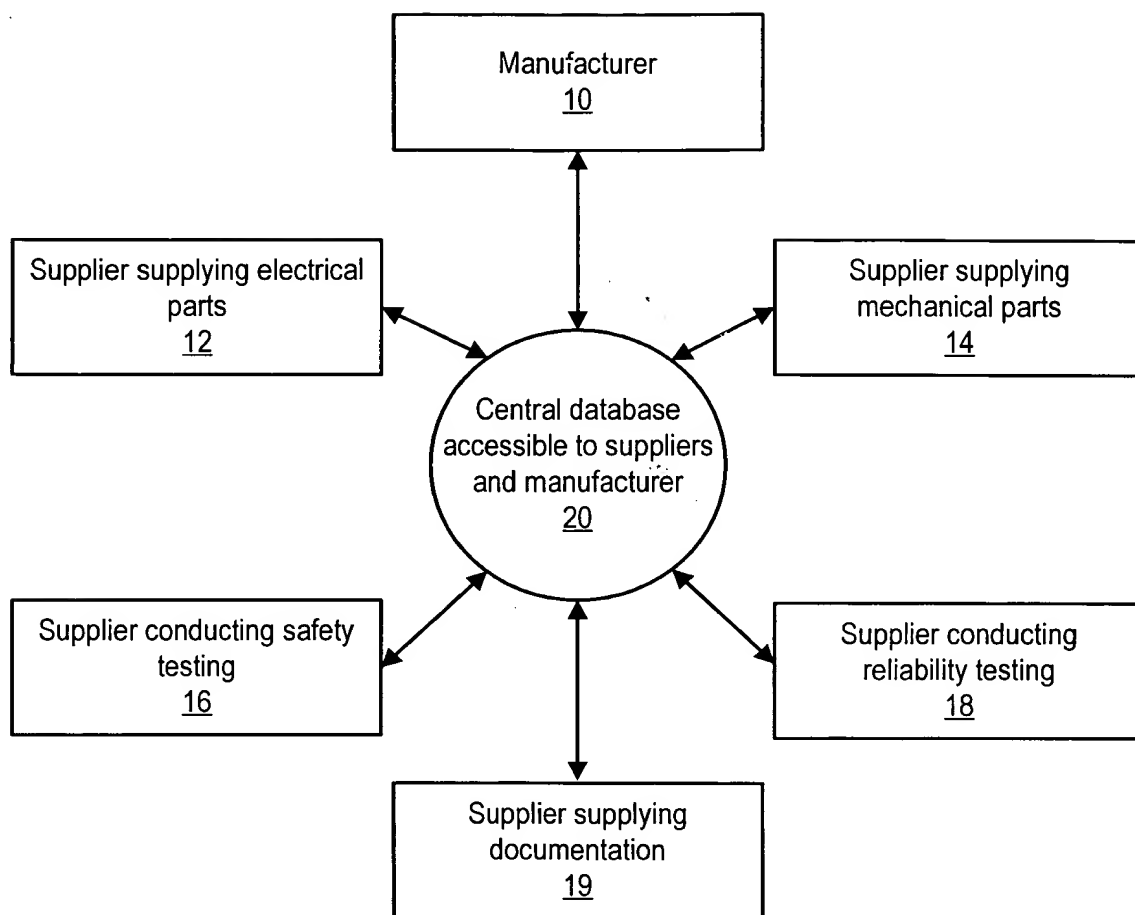


Figure 2

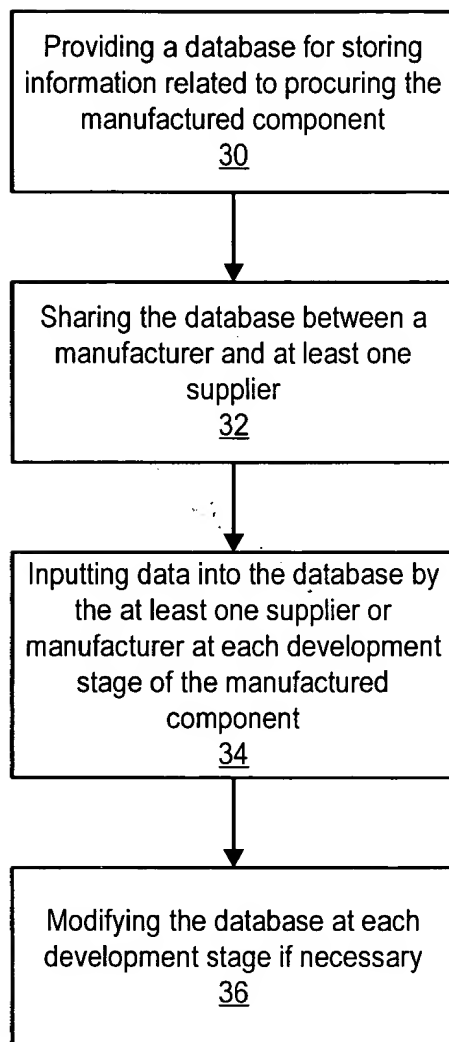
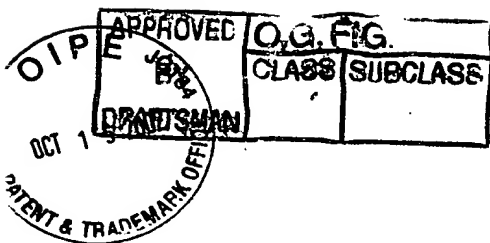


Figure 3

Microsoft Access		X	
File Edit View Insert Format Records Tools Window Help			
Power Supply Qualification Checklist Main Menu		X	
<div> <p>DELL PART #3859D DELL ENGINEER: JERRY ASHUK NEWTON ENGINEER: KAY LAW (WICKY)</p> <p>Copyright 1999. Dell Computer Corp. All rights reserved</p> </div>		<div> <p>NPS-410BBA</p> <p>Check List Cover Page</p> <p><input checked="" type="checkbox"/> I. Electrical</p> <p><input type="checkbox"/> II. Mechanical</p> <p><input type="checkbox"/> III. Design Reviews</p> <p><input type="checkbox"/> IV. Manufacturability</p> <p><input type="checkbox"/> V. Regulatory / VI. Reliability</p> <p><input type="checkbox"/> VII. System Test / VIII. Packaging</p> <p><input type="checkbox"/> IX. Documentation</p> </div>	
DELL CONFIDENTIAL		DATABASE REVISION 1.01	
Form View	FLTR	NUM	

Figure 4A

APPROVED BY
 DRAFTSMAN
 CLASS SUBCLASS
 PATENT & TRADEMARK OFFICE

Microsoft Access - PSQ CHECKLIST

File Edit View Insert Format Records Tools Window Help

Fit

POWER SUPPLY QUALIFICATION CHECKLIST

PAGE 1

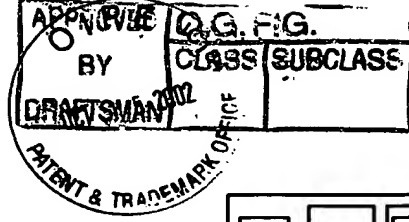
Supplier Model: 430 Dell Part Number: 440
 Target Product(s): Dell Engineer: 450
 Supplier Engineer: 460

ITEM	PROTOTYPE STAGE	DVTSTAGE	DVT3STAGE	PRODUCTION RELEASE
I. Electrical (RTE & Bench):				420
II. Mechanical:				
III. Design Reviews:				
IV. Manufacturability				
V. Regulatory:				
VI. Reliability:				
VII. System Test:				
VIII. Packaging:				
IX. Documentation:				

Dell Confidential Printed 9/30/99 Revision

Ready

Figure 4B



Microsoft Access

File

Edit

View

Insert

Format

Records

Tools

Window

Help

01.02XXATE

X

[-]

[+]

X

Power Supply Qualification Checklist Main Menu

DELL

DELL PART #
DELL ENGINEER:
? ENGINEER:
?
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MODEL #?

☒ Prototype Results

☐ DVT ATE Results


☐ DVT 2 ATE Results

☐ Production Release ATE Report

☐ Sustaining ATE Report

☐ Back One Menu (1. Electrical)

☐ Return to Main Menu



WE GET RESULTS

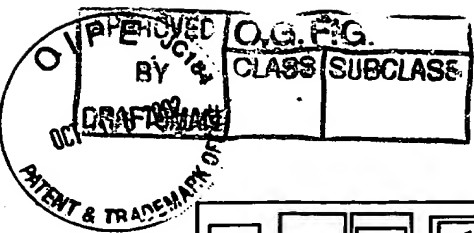
DATABASE REVISION A.01

Form View

FLTR

NUM

Figure 5A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

0.02XXDVT2 Cpk (Results Data)

DVT Cpk AND RESULTS DATA

T15VAC	230VAC	T15VAC	230VAC
<input type="checkbox"/> 1-3. POWER GOOD TURN-ON	<input type="checkbox"/> 20-21. EFF. AT FULL LOAD/PPF	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 4. INBUSH	<input type="checkbox"/> 22. EFF E-STAR NO. + SVFP	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 5. AC LINE CURRENT	<input type="checkbox"/> 22. EFF. E-STAR W/+SVEP ON/A1	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 7-10. +SVP REG.	<input type="checkbox"/> 24-29. PEAK NOISE	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 12-18. RISE TIME	<input type="checkbox"/> 35-39. ACP	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 19. BUYOUT VOLTAGE	<input type="checkbox"/> 40-41. HOLDUP/PRE-WARNING	<input type="checkbox"/>	<input type="checkbox"/>

Note: Test 6 (PS...On Switch), IT (AC Dropout), 23 (Line Load Reg.) 30-34 (SCP) Do Not Require 6pk Data)

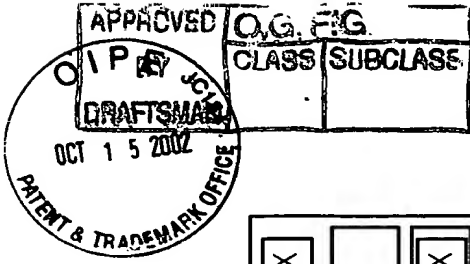
Results

Ready

1

NUM

Figure 5B



Microsoft Access 1000.011 Electrical

File Edit View Insert Format Records Tools Window Help

00.01.011. Electrical


DELL

DELL PART #
DELL ENGINEER:
? ENGINEER:
? ENGINEER:

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MODEL #?

☒ ATE
☐ Bench Test 1-10
☐ Bench Test 11-17
☐ Bench Test 18-23
☐ Bench Test 24-26
☐ Complete Bench Test
☐ Input Bench Test Data
☐ Return to Main Menu

 WE GET RESULTS

DATABASE REVISION A.01

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Form View

FLTR

NUM

Figure 6A

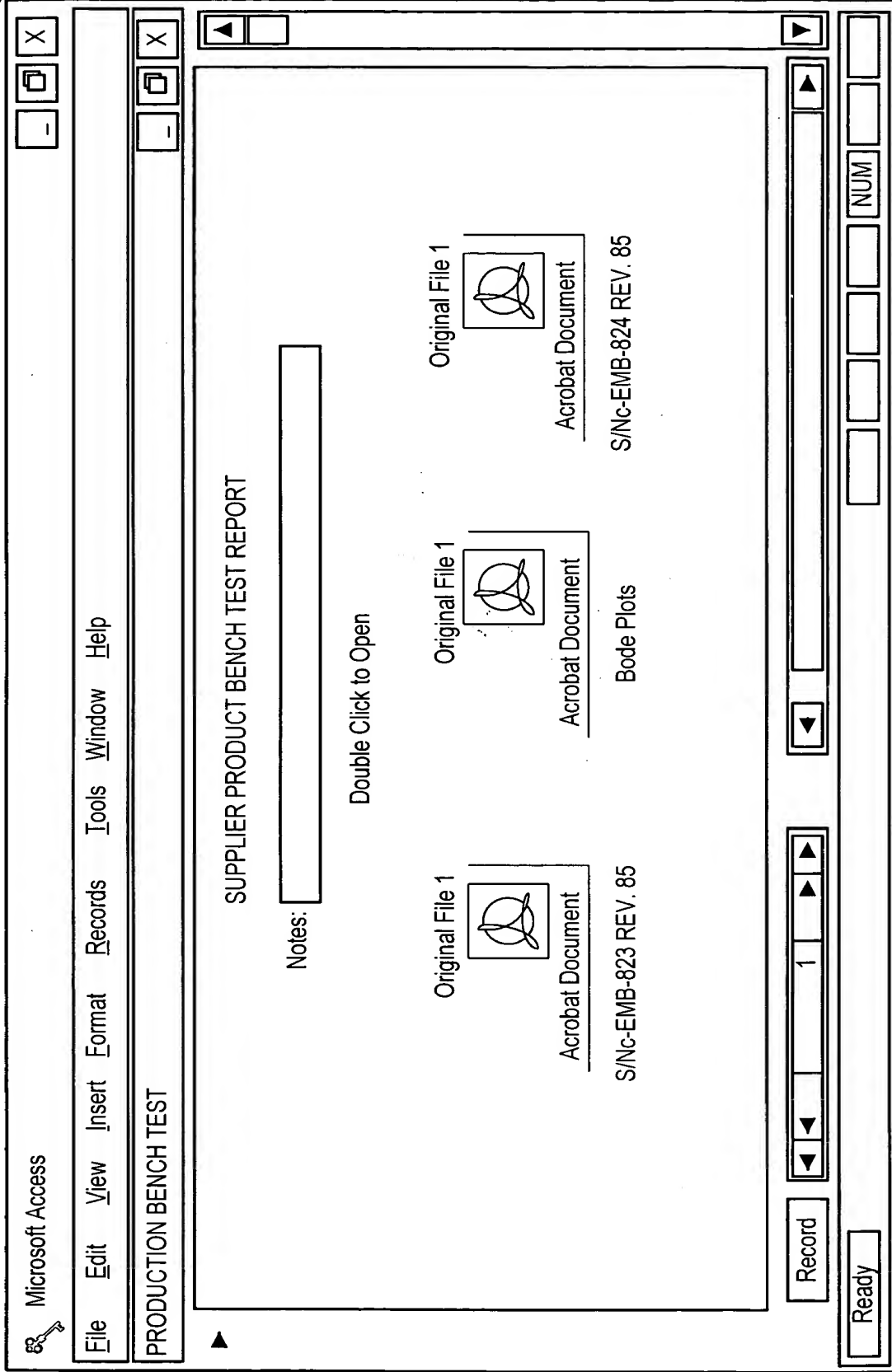
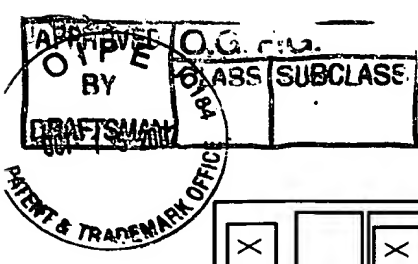
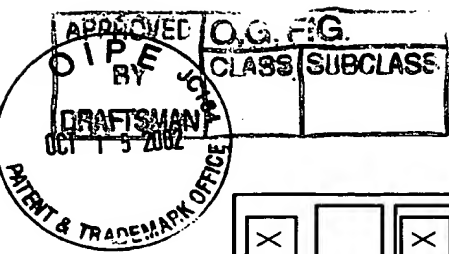


Figure 6B



Microsoft Access 02.04.01-05 Mechanical

File Edit View Insert Format Records Tools Window Help

02.04.01-05 Mechanical


DELL

DELL PART #
DELL ENGINEER:
? ENGINEER:
?

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MODEL #?

☒ 1. Labels
☐ 2. Dimensional Check (Soft Tool)
☐ 3. Dimensional Check (Hard Tool)
☐ 4. DC Cables
☐ 5. Chassis Fit
☐ Back One Menu (II. Mechanical)
☐ Return to Main Menu



WE GET RESULTS

DATABASE REVISION A.01

Form View

FLTR

NUM

Figure 7A

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Microsoft Access

File Edit View Insert Format Records Tools Window Help

DC CABLES

II. MECHANICAL: [DC CABLES]

Notes:

Double Click File to Open

Proto

DVT

DVT2

Production

Sustaining

Acrobat Document

Acrobat Document

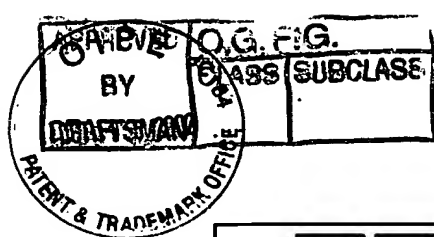
Record

Form View

1

NUM


Figure 7B



Microsoft Access 00.01.03 III. Design Reviews

File Edit View Insert Format Records Tools Window Help

00.01.03 III. Design Reviews




DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☒ Prototype
☐ DVT
☐ Final

☐ Return to Main Menu



WE GET RESULTS

DELL CONFIDENTIAL

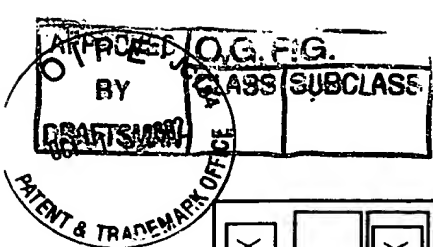
Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 8A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

DVT DESIGN REVIEW

III. FINAL DESIGN REVIEW

Notes:

Double Click File to Open

Electrical	Mechanical	Packaging	Tooling
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

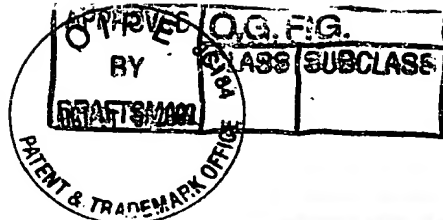
Record

Form View

1

NUM


Figure 8B



Microsoft Access 00.01.04 IV. Manufacturability

File Edit View Insert Format Records Tools Window Help

00.01.04 IV. Manufacturability




DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☒ Proto
☐ DVT
☐ Evaluation Build
☐ Pilot Build
☐ Production Build
☐ Return to Main Menu



WE GET RESULTS

DELL CONFIDENTIAL

Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 9A

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Microsoft Access

File Edit View Insert Format Records Tools Window Help

MANUFACTURABILITY

Double Click File to Open

Notes:

DVT STAGE MANUFACTURABILITY

Supplier Review

Acrobat Document

Tooling Plan

Acrobat Document

Review

Dell Review

Changes Req'd

Record

Form View

1

NUM

Figure 9B

Microsoft Access 00.01.05 V. Regulatory

File Edit View Insert Format Records Tools Window Help

00.01.05 V. REGULATORY


DELL

DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☒ Emissions
☐ Immunity/Destortion
☐ Safety
☐
☐
☐
☐ Back One Menu (V. Regulatory/Reliability) ...
☐ Return to Main Menu


WE GET RESULTS

DELL CONFIDENTIAL

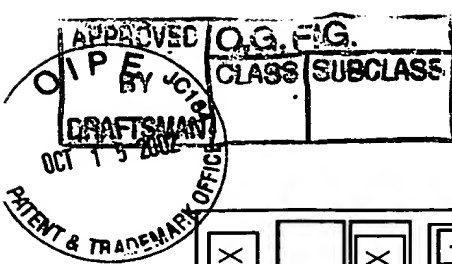
Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 10A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

SAFETY

V. SAFETY

Notes:

UL DB CSA NBTL
Acrobat Document

UL Conditions of ACC

CSA QB C-UL

TUV BD VBE
Acrobat Document

MEMKO
Acrobat Document

CO CERT
Acrobat Document

CSD
Acrobat Document

CBE Report
Acrobat Document

Double Click to Open

Record

Form View

NUM

Figure 10B



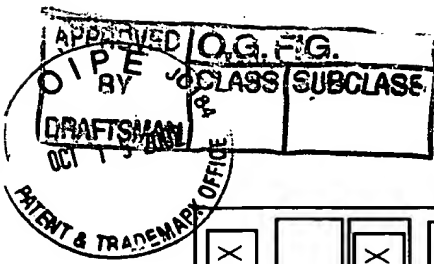
Microsoft Access 00.01.06 VI. Reliability		<input type="button" value="X"/> <input type="button" value="Copy"/>	
File Edit View Insert Format Records Tools Window Help			
00.01.06 VI. Reliability			
			
DELL PART # DELL ENGINEER: ? ? ENGINEER: ?		WE GET RESULTS	
Copyright 1999, Dell Computer Corp. All rights reserved		DATABASE REVISION A.01	
DELL CONFIDENTIAL		FLTR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> NUM <input type="text"/>	
<input type="button" value="Form View"/>			

Figure 11A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

RELIABILITY

Double Click to Open

Notes:

MTBF Worksheet

Halt/Strife

DMTBF Acrobat Document

Fan Speed

Reviews

1. Test Report Worksheet

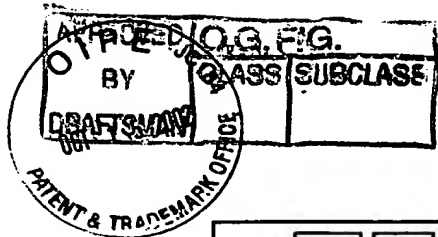
2. Test Report

Record

Form View

NUM


Figure 11B



Microsoft Access 00.01.07-08 VII System Test & VIII. Packaging

File Edit View Insert Format Records Tools Window Help

00.01.07-08 VII. SYSTEM TEST & VIII. PACKAGING




DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☐ VII. System Test
☒ VIII. Packaging
☐
☐
☐
☐
☐ Return to Main Menu



WE GET RESULTS

DELL CONFIDENTIAL

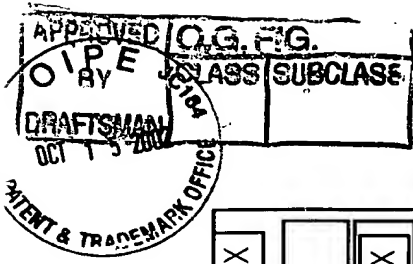
Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 12A



Microsoft Access


File Edit View Insert Format Records Tools Window Help

SYSTEM TEST TEST

VII. SYSTEM TEST

Double Click File To Open

Notes:

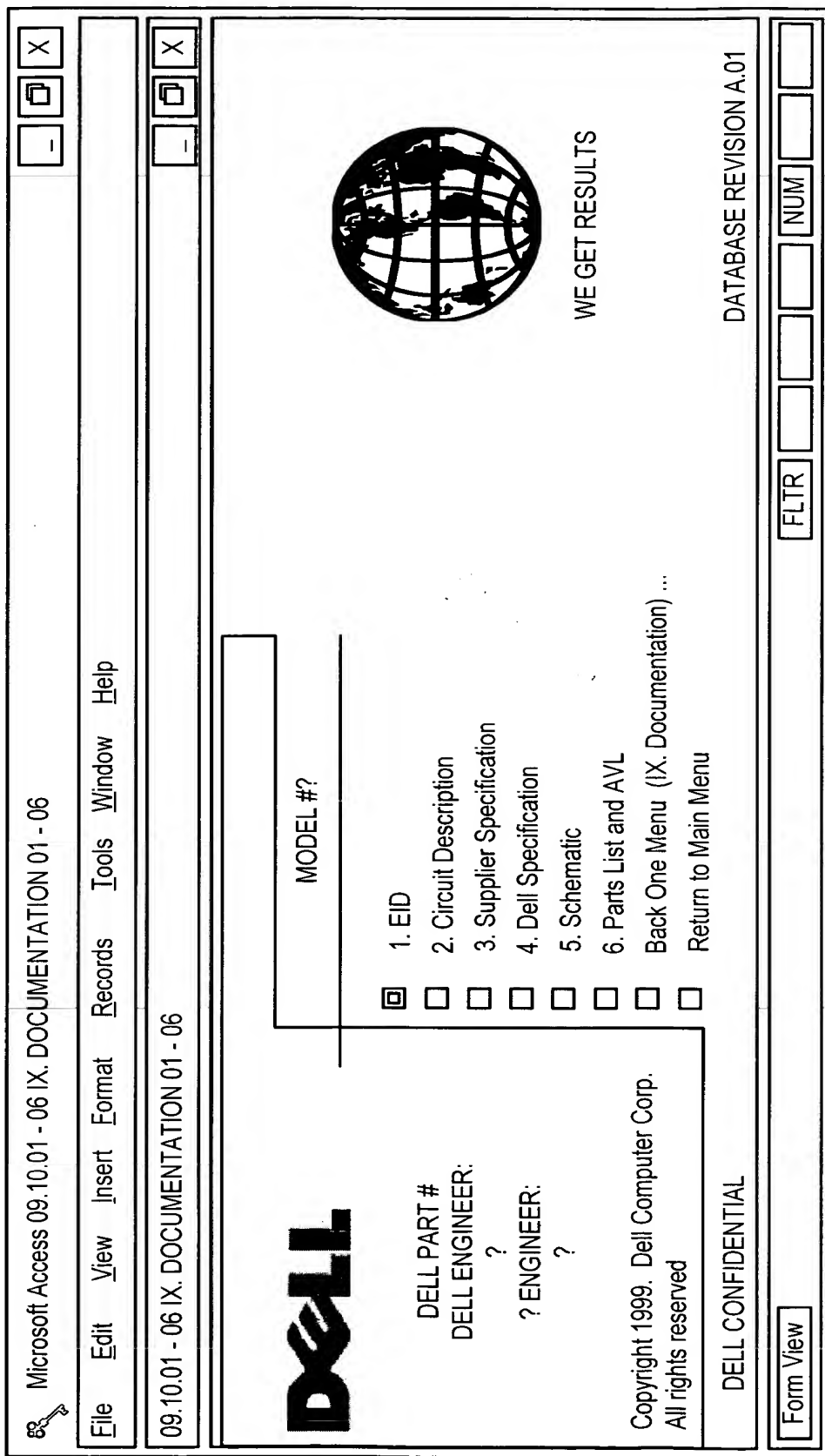
	Acoustics	Thermals	Functional	Shock_Vibration
PROTO				
DVT		 Rhinoava.ds		
DVT2				

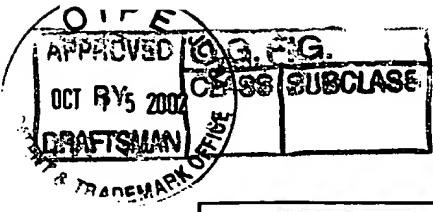
Record

Form View

NUM

Figure 12B





Microsoft Access

File Edit View Insert Format Records Tools Window Help

SCHEMATIC

IX. DOCUMENTATION: (SCHEMATIC)

Notes:

Double Click to Open

PROTO		Acrobat Document
DVT		Acrobat Document
DVT 2		Acrobat Document
PDE Production 35		Acrobat Document
Production N01		Acrobat Document
Sustaining		

Record

Form View

Figure 13B